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(54) PRODUCTION OF NON-CHROMIUM TYPE TREATED GALVANIZED STEEL SHEET

(57)Abstract:

PROBLEM TO BE SOLVED: To provide a method for producing a non-chromium type treated galvanized steel sheet excellent in corrosion resistance without being incorporated with harmful hexavalent chromium.

SOLUTION: On the surface of a galvanized steel sheet or a galvanized steel sheet as a substrate, (a) a coating film contg. a water based resin and at least one kind among a thiocarbonyl group, a vanadic acid and a phosphoric acid compd. or (b) a coating film contg. a water based resin, a thiocarbonyl group-contg. compd. and particulate silica is formed, and this coating film is dried and baked in such a manner that the arrival temp. is controlled to 50 to 250°C to form a non-chromium type rust preventive film. The coating film in the (a) may optionally be mixed with particulate silica.